

Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
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Title V
AIR QUALITY PERMIT
Issued under 401 KAR 52:020

Permittee Name: CTNA Manufacturing LLP
Mailing Address: One General Street, Mayfield, KY 42066

Source Name: CTNA Manufacturing LLP
Mailing Address: One General Street
Mayfield, KY 42066

Source Location: Mayfield, Graves County, Kentucky

Permit Number: V-03-024
Log Number: G406/51193
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Regional Office: Paducah Regional Office
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John S. Lyons, Director
Division for Air Quality

TABLE OF CONTENTS

SECTION	DATE OF ISSUANCE	PAGE
A. PERMIT AUTHORIZATION	12/17/03	1
B. EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS	12/17/03	2
C. INSIGNIFICANT ACTIVITIES	12/17/03	37
D. SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS	12/17/03	38
E. SOURCE CONTROL EQUIPMENT OPERATING REQUIREMENTS	12/17/03	39
F. MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS	12/17/03	40
G. GENERAL PROVISIONS	12/17/03	43
H. ALTERNATE OPERATING SCENARIOS	12/17/03	48
I. COMPLIANCE SCHEDULE	12/17/03	49

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Units 03, 07-12 Department 603 – Mixing and Milling****Description:**

Intensive Mixers

Control Devices: Baghouses

Construction Commenced: Various Dates Prior to 1975

APPLICABLE REGULATIONS:

Regulation 401 KAR 61:020, Existing Process Operations.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to Regulation 401 KAR 61:020, Section 3, particulate emissions shall not exceed the limitations herein as measured by EPA reference method 5

Emission Unit #	PM emissions (lb/hr)
3, 7-9,10 &12	7.94
11	2.58

- b. Pursuant to Regulation 401 KAR 61:020, Section 3(1), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

- a. The Permittee shall monitor material throughput for the mixing and milling operations a weekly basis.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- b. The permittee shall install, calibrate, maintain and operate according manufacturer's specification a monitoring device for the continuous measurement of the pressure drop across the baghouses.
- c. The permittee shall perform weekly inspection of the baghouses to ensure that there are no broken/torn bags.

5. Specific Recordkeeping Requirements:

- a. Records of the mixing and milling shall be maintained on a weekly basis.
- b. The permittee shall record the pressure drops across the baghouses on a daily basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to Regulation 401 KAR 50:055, Section 2 (5), the baghouses used to control emissions shall be operated as necessary to maintain compliance with applicable requirements in accordance with manufacturer's specifications and/or standard operating practices.
- b. Pursuant to Regulation 401 KAR 59:005, Section 3(4), records regarding the maintenance of the baghouses shall be maintained.
- c. See Section E.

Emission Units 53 - 58 & 96

Department 603 – Mixing and Milling

Description:

Batch - Off Mill to Mixers

Control Device: Bag Dust Collector & exhaust out fan on unit 58 only, but not used regularly

Construction Commenced: Various Dates Prior to 1975

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing Process Operations commenced before 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:020, Section 3(2), particulate emissions shall not exceed 13.1 lb/hr for each unit.
- b. Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

- a. The Permittee shall monitor material throughput for the batch off mill operation on a weekly basis
- b. The permittee shall perform weekly inspection of the dust collector to ensure that there is no broken/torn bag when being used.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

- a. Records of material throughput for the batch off mill operation shall be maintained on a weekly basis.
- b. The permittee shall record pressure drop across the bag dust collector on daily basis when being used.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 2 (5), the bag dust collector used to control particulate emissions shall be operated as necessary to maintain compliance with applicable requirements in accordance with manufacturer's specifications and/or standard operating practices when being used.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the baghouse shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 02, 06, 86, & 91

Department 603 – Mixing and Milling

Description:

Intensive Mixers

Control Device: Baghouses

Construction Commenced: Various Dates after 1975

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations commenced on or after 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, section 3(2), particulate emissions shall not exceed 7.937 lb/hr for each unit.
- b. Pursuant to 401 KAR 59:010, Section 3(2), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

- a. The Permittee shall monitor material throughput for the intensive mixer operations for tire production on a weekly basis.
- b. The permittee shall install, calibrate, maintain and operate according manufacturer's specification a monitoring device for the continuous measurement of the pressure drop across the baghouses.
- c. The permittee shall perform weekly inspection of the baghouses to ensure that there are no broken/torn bags.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

- a. Records of material usage for intensive mixing shall be maintained on a weekly basis.
- b. The permittee shall record the pressure drops across the baghouses on a daily basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 2 (5), the baghouses used to control emissions shall be operated as necessary to maintain compliance with applicable requirements in accordance with manufacturer's specifications and/or standard operating practices.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the baghouses shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 87, 50, 92 - 95, & 97

Department 603 – Mixing and Milling

Description:

Batch - Off Mill to Mixers and Sheeting Mills

Control Device: Exhaust fans on all units & Baghouses on units 87, 50 & 92

Construction Commenced: Various Dates after 1975

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations commenced on or after 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 13.1 lb/hr for each unit.
- b. Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

- a. The Permittee shall monitor material throughput for off mixer and sheeting mill operations on a weekly basis
- b. The permittee shall install, calibrate, maintain and operate according manufacturer's specification a monitoring device for the continuous measurement of the pressure drop across the baghouses.
- c. The permittee shall perform weekly inspection of the baghouses to ensure that there are no broken/torn bags.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

- a. Records of the material throughput for off mixer and sheet mills shall be maintained on a weekly basis.
- b. The permittee shall record the pressure drops across the baghouses on a daily basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 2 (5), the baghouses used to control emissions shall be operated as necessary to maintain compliance with applicable requirements in accordance with manufacturer's specifications and/or standard operating practices.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the baghouses shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 59

Department 603 – Mixing and Milling

Description:

Carbon Black Handling System

Control Device: Baghouse

Construction Commenced: 1985 and modified in 2003

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations.

1. Operating Limitations:

Maximum process rate of carbon black handling shall not exceed 10 tons per hour, and 32, 000 tons per year.

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 19.2 lb/hr.
- b. Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

- a. The Permittee shall monitor maximum usage rate of carbon black on a weekly basis.
- b. The permittee shall install, calibrate, maintain and operate according manufacturer's specification a monitoring device for the continuous measurement of the pressure drop across the baghouse.
- c. The permittee shall perform weekly inspection of the baghouse to ensure that there is no broken/torn bag.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

- a. Records of material throughput (carbon black) shall be maintained on a weekly basis.
- c. The permittee shall record the pressure drop across the baghouse on a daily basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 2 (5), the baghouse used to control emissions shall be operated as necessary to maintain compliance with applicable requirements in accordance with manufacturer's specifications and/or standard operating practices.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the baghouse shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 79

Department 603 – Mixing and Milling

Description:

Auto Solution Mixer

Control Device: None

Construction Commenced: 1998

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations commenced on or after 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 2.34 lb/hr.
- b. Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, or allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

Permittee shall monitor usage rate of material used in the auto solution mixer on a weekly basis

5. Specific Recordkeeping Requirements:

Records of material throughput/usage auto solution mixer shall be maintained on a weekly basis.

6. Specific Reporting Requirements:

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 76 & 122**Department 604 & 605 – Calendering****Description:****Unit 76**

Mill for 4-Roll Z Calender

Control Device: None

Construction Commenced: 1973

Unit 122

4-roll Z Calender Exhaust

Control Device: None

Construction Commenced: 1973

Maximum Raw Material Usages Through Units 76 & 122:

Paints: 0.08 lbs/hr

Finished Rubber Stocks: 48,735 lbs/hr

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing Process Operations commenced before 1975.

1. Operating Limitations:

The usage and production rate of materials used in affected facilities shall not exceed the limitations described above.

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:020, Section 3(2), particulate emissions shall not exceed 2.58 lb/hr for each unit.
- b. Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The Permittee shall monitor material usage for rubber stocks and mill calendering operation on a weekly basis.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. **Specific Recordkeeping Requirements:**

Records of material throughput/usage for calendaring shall be maintained on a weekly basis.

6. **Specific Reporting Requirements:**

See Section F.

7. **Specific Control Equipment Operating Conditions:**

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 89

Department 606 – Extrusion

Description:

Tread End Cementing for #5

Control Device: None

Throughput: 467 treads per hour

Construction Commenced: 1993

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations commenced on or after 1975.

401 KAR 60:005, incorporating by reference, 40 CFR 60, Subpart BBB – Standards of Performance for the Rubber Tire Manufacturing Industry.

1. Operating Limitations:

Maximum tread end cementing shall not exceed 3,866,760 treads per year.

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 3.4 lb/hr.
- b. Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.
- c. Pursuant to 40 CFR 60, Subpart BBB, each tread end cementing operation shall discharge no more than 10 grams (0.022 lb) of VOC per tire cemented for each month.
- d. Emissions of VOC shall not exceed 9.6 lb/hr and 39.9 tons per year

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.
- c.
$$\text{Monthly VOC emissions} = [\text{sum of monthly usage of each VOC containing material}] \times [\text{VOC fraction of the material}]$$

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

- a. The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.
- b. Performance test and compliance demonstration shall be done in accordance with methods specified in 40 CFR 60.543(b)(4).

4. Specific Monitoring Requirements:

The Permittee shall monitor tread end cement formulation on a weekly basis.

5. Specific Recordkeeping Requirements:

- a. Records of tread end cement formulation shall be maintained on a weekly basis.
- b. Record keeping shall be maintained in accordance with the requirement specified in 40 CFR 60.545(f).

6. Specific Reporting Requirements:

- a. Reporting shall be done in accordance with 40 CFR 60.546(f).
- b. See Section F

7. Specific Control Equipment Operating Conditions:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 98

Department 606 – Extrusion

Description:

Extruder and Conveyer
Maximum Operating Rate: 48,735 lbs/hr rubber
Control Device: None
Construction Commenced: 1991

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations commenced on or after 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 26.00 lb/hr.
- b. Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The Permittee shall monitor material throughput/usage rate of rubber extrusion on a weekly basis.

5. Specific Recordkeeping Requirements:

Records of the amount of rubber extrusion and conveyed material shall be maintained on weekly basis.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 114 - 119

Department 607 – Cement House

Description:

Solvent Mixers # 1 thru #6

Control Device: None

Construction Commenced: 1960

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing Process Operations commenced before 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:020, Section 3(2), particulate emissions shall not exceed 2.58 lb/hr for each unit.
- b. Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, or allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The Permittee shall monitor maximum usage rate of cement solvents and cement formulation on a weekly basis.

5. Specific Recordkeeping Requirements:

Records of cement solvents used and cement formation shall be maintained on weekly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 113

Department 607 – Cement House

Description:

NAPHTHA Storage Tank
Maximum Capacity: 18,000 Gallons
Control Device: None
Construction Commenced: 1991

APPLICABLE REGULATIONS:

40 CFR 60, Subpart Kb- Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

1. Operating Limitations:

None

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

None

5. Specific Recordkeeping Requirements:

Pursuant to 40 CFR 60.111b, the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the storage vessel.

6. Specific Reporting Requirements:

None

7. Specific Control Equipment Operating Conditions:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 81, 82, 83 & 134

Department 624/626 – Curing

Description:

Maximum Raw Material Usage for all units:

Finished Rubber: 48,735 lbs/hr

Lubricants: 13.63 lbs/hr

Finished Tires: 1,083 tires/hr

Units 81 & 82

Automatic Green Tire Spray Booth

Control Device: None

Construction Commenced: 1990 and 1995

Unit 83

Oven for Auto Sprays

Control Device: None

Construction Commenced: 1990

Unit 134

Curing Presses – Bladder

Control Device: None

Construction Commenced: 1992

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations commenced on or after 1975.

40 CFR 60, Subpart BBB – Standards of Performance for the Rubber Tire Manufacturing Industry.

1. Operating Limitations:

- a. The usage and production rate of materials used in affected facilities shall not exceed the limitations described above.
- b. Maximum production rates shall not exceed 625 tires per hour and 5,400,000 tires per year for units 81 and 82.

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed:

Emission Unit #	PM emissions (lb/hr)
81	2.34
82	2.34
83	2.34
134	26.00

- b. Pursuant to 401 KAR 59:010, Section 3(1), no person shall cause, suffer, allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- c. Pursuant to 40 CFR 60, Subpart BBB, each process operation shall discharge no more than 9.3 grams (0.021 lb) of volatile organic compound (VOC) per tire sprayed with an outside green tire spray for each month.

Other limitations for Units 81 and 82

- d. Maximum usage rate of C-270 tread vent lube shall not exceed 10 grams/tire.
- e. Maximum usage rate of C-311 inside lube shall not exceed 45 grams/tire, and VOC content shall not exceed 0.375 grams per tire.
- f. Maximum usage rate of E-332 outside tire lube shall not exceed 35 grams/tire.
- g. Emissions of VOC shall not exceed 4.5 lb/hr and 19.5 tons per year

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.
- c.
$$\text{Monthly VOC emissions} = [\text{sum of monthly usage of each VOC containing material}] \times [\text{VOC fraction of the material}]$$

3. Testing Requirements:

- a. The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.
- b. Performance tests and compliance demonstration shall be done in accordance with methods specified in 40 CFR 60.543(b)(4).

4. Specific Monitoring Requirements:

The Permittee shall monitor maximum usage rate and throughput of tire sprays and organic solvent-based sprays on a weekly basis.

5. Specific Recordkeeping Requirements:

- a. Records of material throughput/usage of tire sprays and organic solvent-based sprays shall be maintained on a weekly basis.
- b. Records of treads cemented and hours of cementation shall be maintained on a monthly basis
- c. Record keeping shall be conducted in accordance with the requirement specified in 40 CFR 60.545(f).

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Reporting Requirements:

- a. Reporting shall be conducted in accordance with 40 CFR 60.546(f).
- b. See Section F.

Emission Units 125 - 130**Department 624/626 – Curing****Description:**

Maximum Raw Material Usage for all units:

Finished Rubber: 48,735 lbs/hr

Lubricants: 13.63 lbs/hr

Finished Tires: 1,083 tires/hr

Curing Press Trenches

Control Device: None

Construction Commenced: 1967 thru 1972

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing Process Operations commenced before 1975.

1. Operating Limitations:

The usage and production rate of materials used in affected facilities shall not exceed the limitations described above.

2. Emission Limitations:

a. Pursuant to 401 KAR 61:020, Section 3(2), particulate emissions shall not exceed:

Emission Unit #	PM emissions (lb/hr)
125 – 130	34.83 (per unit)

b. Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, or allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity.

Compliance Demonstration Method:

a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.

b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The Permittee shall monitor lubricants, and raw material throughput for curing operations on a weekly basis.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. **Specific Recordkeeping Requirements:**

Records of lubricants, rubber compounds, and finished tires from curing operation shall be maintained.

6. **Specific Reporting Requirements:**

See Section F.

7. **Specific Control Equipment Operating Conditions:**

None.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Units 135-151, 27-29, & 72****Department 625/628 – Final Finish****Description:**

Maximum Raw Material Usage for all units:

Solvents: 6.94 lbs/hr
Paints: 5.23 lbs/hr
Finished Tires: 1,083 tires/hr

Units 135-151 *formerly* 22-26

White Sidewall Buffers

Control Device: Dry Cyclone Collectors

Modified: 12/2002

Unit 27

Tire Repair Station

Control Device: Cyclone Dust Collector

Construction Commenced: 1972

Units 28 & 29

Tire Uniformity Machine

Control Device: Cyclone Dust Collector

Construction Commenced: 1972

Unit 72

Sidewall Repair

Control Device: None

Construction Commenced: 1973

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing Process Operations commenced before 1975.

401 KAR 59:010, New Process operations, applicable to an emission unit that commenced on or after July 2, 1975.

1. Operating Limitations:

The usage and production rate of materials used in affected facilities shall not exceed the limitations described above.

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:020, Section 3(2), particulate emissions shall not exceed 26.00 lb/hr for each unit.
- b. Pursuant to 401 KAR 61:020, Section 3(1), no person shall cause, suffer, or allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than forty (40) percent opacity.
- c. Pursuant to Regulation 401 KAR 59:010, Section 3(2), particulate emissions into the open air shall not exceed $[3.59(P)^{0.62}]$ lbs/hour based on a three-hour-average where P is the processing rate in tons/hour.
- d. Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not equal or exceed 20% opacity based on a six-minute-average

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The permittee shall monitor usage rate of solvents, paints, and rubber compounds on a weekly basis

5. Specific Recordkeeping Requirements:

Records of the amount of rubber compounds, paint, solvents and finished tires shall be maintained.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 2 (5), the cyclones dust collectors used to control emissions shall be operated as necessary to maintain compliance with applicable requirements in accordance with manufacturer's specifications and/or standard operating practices.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the cyclones dust collectors shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

**Emission Units 32, 34, 44-47, 70
74, 75 & 136**

Department 625/628 – Final Finish

Description:

Maximum Raw Material Usage for all units:

Finished Rubber: 48,735 lbs/hr

Lubricants: 13.63 lbs/hr

Finished Tires: 1,083 tires/hr

Units 32, 34, 44-47, 70 & 74

Tire Uniformity Machine

Control Device: Cyclone Dust Collector

Construction Commenced: 1979-1980

Unit 75

Tire Repair/Bladder Buffer

Control Device: Cyclone Dust Collector

Construction Commenced: 1980

Unit 136

Balance Grinder

Control Device: Cyclone Dust Collector

Construction Commenced: 1998

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations commenced on or after 1975.

1. Operating Limitations:

The usage and production rate of materials used in affected facilities shall not exceed the limitations described above.

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 26.00 lbs/hr for each unit.
- b. Pursuant to 401 KAR 59:010, Section 3(1) no person shall cause, suffer, or allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.
- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The Permittee shall monitor raw material usage rate, throughput of rubber compounds, and lubricants on a weekly basis.

5. Specific Recordkeeping Requirements:

Records of the amount of rubber compounds, lubricants, and finished tires shall be maintained.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

- a. Pursuant to 401 KAR 50:055, Section 2 (5), the cyclone dust collectors used to control emissions shall be operated as necessary to maintain compliance with applicable requirements in accordance with manufacturer's specifications and/or standard operating practices.
- b. Pursuant to 401 KAR 59:005, Section 3(4), records regarding the maintenance of the cyclones dust collectors shall be maintained.
- c. See Section E.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Units 40, 41 & 42****Natural Gas/Oil Fired Indirect Heat Exchangers****Description:**

Primary fuel: Natural Gas
Backup fuel: #2 fuel oil

Units 40 (1) & 41 (2)

Rated Capacity: 37.5 mmBTU/hr Each

Dates Installed: Two in 1960 & one in 1964

Unit 42

Rated Capacity: 75 mmBTU/hr

Date Installed: 1970

APPLICABLE REGULATIONS:

401 KAR 61:015, Existing Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced before April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:015, Section 4(1), particulate emissions shall not exceed 0.208 lb/mmBTU, for each unit. Compliance with the allowable particulate emission limitation while burning #2 fuel oil may be demonstrated by calculating emissions using the following formula:

$$\text{PM emissions (lb/mmBTU)} = 2.0 \text{ lbs/ } 10^3 \text{ gallons} * / (**)$$

* = AP-42 Emission Factor

** = #2 Fuel oil heating value in mmBTU/10³ gallons

- b. Pursuant to 401 KAR 61:015, Section 4(3), emissions shall not exceed 40 percent opacity.
- c. Pursuant to 401 KAR 61:015, Section 5(1), sulfur dioxide emission shall not exceed 2.97 lb/mmBtu, for each unit.
- d. Each unit is considered to be in compliance with the PM, SO₂, and opacity standards while burning natural gas.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack while burning #2 fuel oil by using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The permittee shall monitor on a monthly basis natural gas usage and the amount and hours of operation of #2 fuel oil usage.

5. Specific Recordkeeping Requirements:

Records of the amount of natural gas burned and amount and hours of operation for #2 fuel oil burned shall be maintained on a monthly basis.

6. Specific Reporting Requirements:

- a. If #2 fuel oil is burned in the unit, the permittee shall submit quarterly reports including the fuel supplier certification and a certified statement signed by the owner or operator of the affected facility that the records of the fuel supplier certifications submitted represent the #2 fuel oil combusted during that quarter.
- b. See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 43

Natural Gas Fired Indirect Heat Exchanger

Description:

Primary fuel: Natural Gas
Secondary Fuel: #2 Oil
Rated Capacity: 112.5 mmBTU/hr Each
Date Installed: 1973

APPLICABLE REGULATIONS:

401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced on or after April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:015, Section 4(1), particulate emissions shall not exceed 0.1 lb/mmBtu.
- b. Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 40 percent opacity based on a six-minute average except that a maximum of 60 percent opacity is allowed for a period or aggregate of periods not more than six minutes in any sixty minutes during building a new fire, cleaning the firebox, or blowing soot.
- c. Pursuant to 401 KAR 59:015, Section 5(1), sulfur dioxide emission shall not exceed 0.8 lb/mmBtu.
- d. Each unit is considered to be in compliance with the PM, SO₂, and opacity standards while burning natural gas.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division

4. Specific Monitoring Requirements:

The permittee shall monitor the amount of gas/#2 fuel oil used on a monthly basis.

5. Specific Recordkeeping Requirements:

The permittee shall keep records of the amount of gas/#2 fuel oil used on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 84

Natural Gas Fired Indirect Heat Exchanger

Description:

Natural Gas Only

Rated Capacity: 150 mmBTU/hr

Date Installed: 1990

APPLICABLE REGULATIONS:

401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced on or after April 9, 1972.

401 KAR 51:017, Prevention of significant deterioration (PSD) of air quality.

1. Operating Limitations:

Natural gas usage rate shall not exceed 0.15 million cubic feet per hour, and 1314 million cubic feet per year.

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:015, Section 4(1), particulate emissions shall not exceed 0.013 lb/mmBTU.
- c. Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 20 percent opacity based on a six-minute average except that a maximum of 40 percent opacity is allowed for a period or aggregate of periods not more than six minutes in any sixty minutes during building a new fire, cleaning the firebox, or blowing soot.
- d. Pursuant to 401 KAR 59:015, Section 5(1), sulfur dioxide emission shall not exceed 0.002 lb/mmBTU.
- e. Pursuant to 401 KAR 59:015, Section 6, nitrogen oxide emissions shall not exceed 0.10 lb/mmBTU based on a three-hour average.
- d. Each unit is considered to be in compliance with the PM, SO₂, NO_x and opacity standards while burning natural gas.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The permittee shall monitor the amount of gas used on a monthly basis.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

The permittee shall keep records of the amount of gas used on a monthly basis.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 88 Automatic Tread and Cementer (# 1 tread tuber line)
Department 606

Description:

Material Usage: 640 treads/hr
cyclohexane: 0.091 lb/hr
toluene: 0.091 lb/hr
n-Hexane: 1.6 lb/hr
Control Device: Enclosures
Construction Commenced: 1995

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations commenced on or after 1975.

401 KAR 63:020, Potentially hazardous matter.

401 KAR 60:005, incorporating by reference, 40 CFR 60, Subpart BBB – Standards of Performance for the Rubber Tire Manufacturing Industry.

1. Operating Limitations:

The usage rate of materials used in affected facility shall not exceed the limitations described above.

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 6.18 lb/hr.
- b. Pursuant to 401 KAR 59:010, Section 3(1) no person shall cause, suffer, or allow or permit continuous emissions into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity.
- c. Throughput and usage rate for cyclohexane, toluene and n-Hexane shall not exceed limitations described above, to demonstrate compliance with 401 KAR 63:020.
- d. Pursuant to 40 CFR 60, Subpart BBB, each tread end cementing operation shall discharge no more than 10 grams (0.022 lb) of VOC per tire cemented each month.
- e. Maximum usage rate of cement shall not exceed 7.0 grams/tread.

Compliance Demonstration Method:

- a. Performance tests, where required, used to demonstrate compliance with the particulate matter standard as listed above shall be conducted according to Reference Method 5.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- b. In determining compliance with the opacity standard as listed above, the owner or operator shall use Reference Method 9.

3. **Testing Requirements:**

- a. The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 quarterly, or more frequently if requested by the Division.
- b. Performance tests and compliance demonstrations shall be done in accordance with methods specified in 40 CFR 60.543(b)(4).

4. **Specific Monitoring Requirements:**

The Permittee shall monitor usage rate of cyclohexane, toluene and N-Hexane on a weekly basis

5. **Specific Recordkeeping Requirements:**

- a. Records of the amount of cyclohexane, toluene and n-Hexane shall be maintained.
- b. Record keeping shall be conducted in accordance with the requirement specified in 40 CFR 60.545(f).

8. **Specific Reporting Requirements:**

- a. Reporting shall be done in accordance with 40 CFR 60.546(f).
- b. See Section F.

7. **Specific Control Equipment Operating Conditions:**

None

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source

pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	<u>Description</u>	<u>Generally Applicable Regulation</u>
1.	Solvent Cleaning Stations	401 KAR 59:010
2.	34,000 Gal. No. 2 Fuel Oil Tank #1-1970	None
3.	34,000 Gal. No. 2 Fuel Oil Tank #2-1970	None
4.	34,000 Gal. No. 2 Fuel Oil Tank #3-1970	None
5.	20,00 Gal. Process Oil Storage Tank#1-1965 -	None
6.	20,00 Gal. Process Oil Storage Tank#1-1965 -	None
7.	20,00 Gal. Process Oil Storage Tank#1-1989 - Vapor Pressure <15 KPa	None
8.	20,00 Gal. Process Oil Storage Tank#1-1996 - vapor Pressure <15 KPa	None

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. Particulate matter, sulfur dioxide, nitrogen oxides emissions, and opacity as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Other deviations from permit requirements shall *be included in the semiannual report required by Section F.6* [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Paducah Regional Office
4500 Clarks River Road
Paducah, KY 42003

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS**(a) General Compliance Requirements**

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
 - (a) Applicable requirements that are included and specifically identified in the permit and
 - (b) Non-applicable requirements expressly identified in this permit.
17. Pressure drop gauges on all baghouses shall be installed 180 days upon the issuance of this permit, to address the recordkeeping and monitoring requirements.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:02+0 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements N/A

SECTION G - GENERAL PROVISIONS (CONTINUED)

(e) Acid Rain Program Requirements
N/A

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
 - e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None